

**Solve each problem.****Answers**

- 1) A baker used the equation $Y=KX$ to calculate that he had made \$41.72 after selling 4 boxes of his cookies. How much did he make per box?
- 2) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 9 ice cream bars. He determined he'd make \$10.71. How much did he make per bar sold?
- 3) The equation $Y=KX$ shows you would make \$31.95 for recycling 9 pounds of cans. How much would you make if you recycled 3 pounds?
- 4) A florist used the equation $52=(26)2$ to determine how many flowers she'd need for 2 bouquets. How many flowers would she need for 9 bouquets?
- 5) At the hardware store you can buy 4 boxes of bolts for \$12.80. This can be expressed by the equation $Y=KX$. How much would it cost for one box?
- 6) To determine how many pages would be need to make 3 books you can use the equation, $264=(88)3$. How many pages would be in 8 books?
- 7) A movie theater used $Y=\{VARKX\}$ to calculate how much money they made selling buckets of popcorn where Y is the total and K is the price per bucket. How much would they make if they sold 9 buckets?
- 8) A grocery store paid \$73.17 for 3 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?
- 9) Haley used the equation $Y=KX$ to determine she would need 78 beads to create 2 necklaces. How many beads did she use per necklace?
- 10) An industrial printing machine printed 800 pages in 2 minutes. How much would it have printed in 3 minutes?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Solve each problem.

Answers

- | | |
|---|-------------------|
| 1) A baker used the equation $Y=KX$ to calculate that he had made \$41.72 after selling 4 boxes of his cookies. How much did he make per box? | 1. <u>\$10.43</u> |
| 2) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 9 ice cream bars. He determined he'd make \$10.71. How much did he make per bar sold? | 2. <u>\$1.19</u> |
| 3) The equation $Y=KX$ shows you would make \$31.95 for recycling 9 pounds of cans. How much would you make if you recycled 3 pounds? | 3. <u>\$10.65</u> |
| 4) A florist used the equation $52=(26)2$ to determine how many flowers she'd need for 2 bouquets. How many flowers would she need for 9 bouquets? | 4. <u>234</u> |
| 5) At the hardware store you can buy 4 boxes of bolts for \$12.80. This can be expressed by the equation $Y=KX$. How much would it cost for one box? | 5. <u>\$3.20</u> |
| 6) To determine how many pages would be need to make 3 books you can use the equation, $264=(88)3$. How many pages would be in 8 books? | 6. <u>704</u> |
| 7) A movie theater used $Y=\{VARKX\}$ to calculate how much money they made selling buckets of popcorn where Y is the total and K is the price per bucket. How much would they make if they sold 9 buckets? | 7. <u>\$42.84</u> |
| 8) A grocery store paid \$73.17 for 3 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate? | 8. <u>\$24.39</u> |
| 9) Haley used the equation $Y=KX$ to determine she would need 78 beads to create 2 necklaces. How many beads did she use per necklace? | 9. <u>39</u> |
| 10) An industrial printing machine printed 800 pages in 2 minutes. How much would it have printed in 3 minutes? | 10. <u>1200</u> |